

Figure 1 Surface Model and Observation System

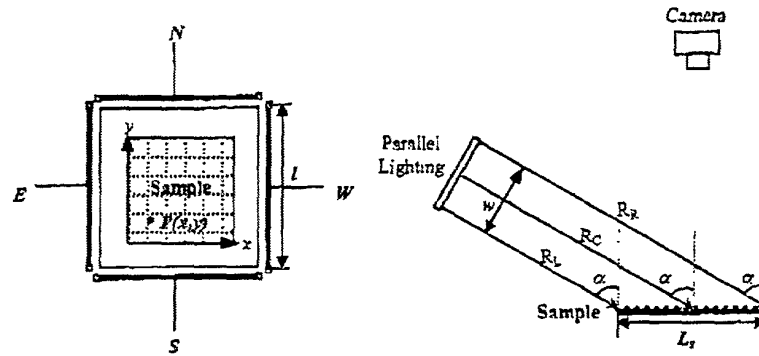


Figure 2 Lighting System

Title: Three Dimensional Measurement, Evaluation And Grading System For Fabric/Textile Structure/
Garment Appearance

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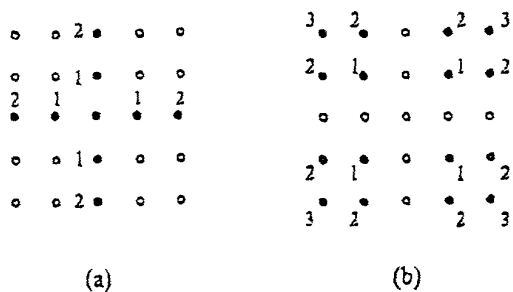


Figure 5 Illustration of depth conversion order for points on the object's surface.

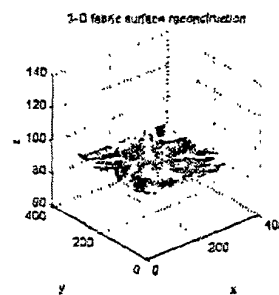
- (a) Initially, z values along the axes are calculated which is illustrated numerically.
(b) After z values are established along the axes, z values are computed for points in each quadrant in column major order as illustrated.



(a) Camera Acquired
Fabric Image



(b) Revealed Surface Image



(c) 3-D Image of Fabric

Figure 6 Fabric Surface Reconstruction

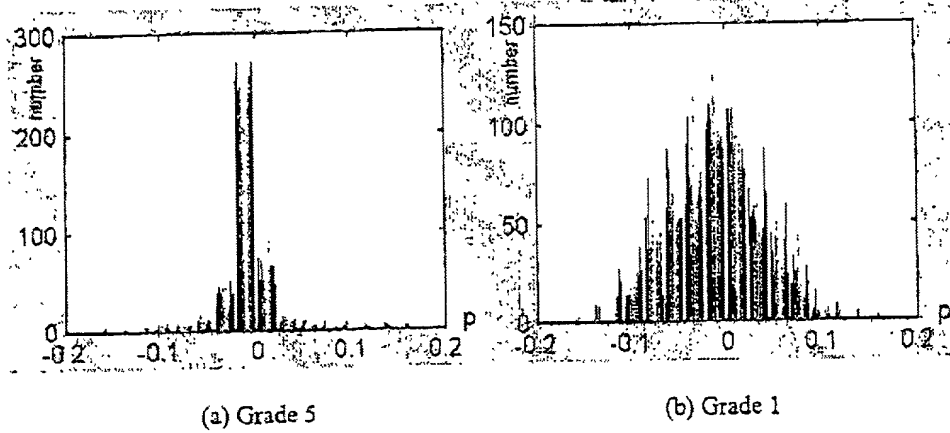


Figure 7 Distribution of p

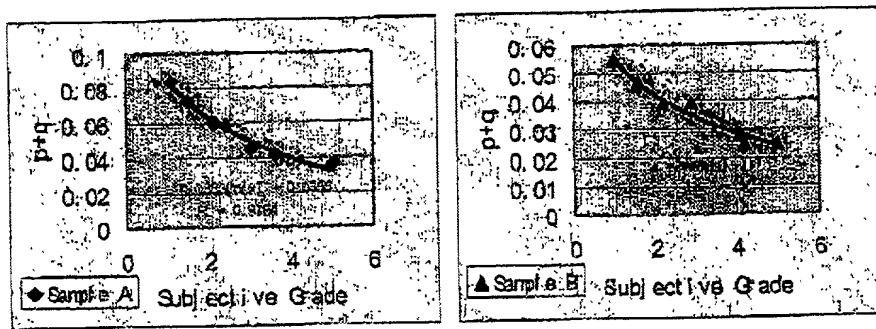


Figure 8

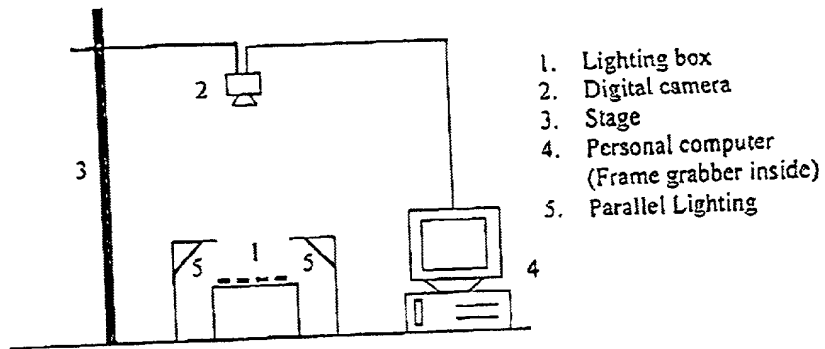


Figure 9